

Form PTO-1449		Docket Number (Optional) DFS-044.01		Application Number 10/617,568	
INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Applicant Wucherpennig et al.		Group Art Unit 1743 1644	
		Filing Date July 11, 2003			
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE IF APPROPRIATE
MD	A2 5,869,270	02/09/99	Rhode et al.		
FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Translation YES NO
OTHER DOCUMENTS					
MD	C35	Zarutskie et al., "A Conformational Change in the Human Major Histocompatibility Complex Protein HLA-DR1 Induced by Peptide Binding," Biochemistry, 38:5878-5887 (1999)			

/Marianne Dibrino/

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; width: fit-content; margin-top: 10px;"> JUN 10 2005 </div>		Docket Number (Optional) DFS-044.01		Application Number 10/617,568		
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MD	A1	5,820,866	10/13/98	Kappler et al.		
	A2					
	A3					
	A4					
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
	B1					
	B2					
	B3					
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages Etc.)</i>						
MD	C1	Altman et al., "Phenotypic Analysis of Antigen-Specific T Lymphocytes," Science, 274:94-96 (1996)				
	C2	Appel et al., "Kinetics of T-cell Receptor Binding by Bivalent HLA-DR-Peptide Complexes That Activate Antigen-specific Human T-cells," J. Biol. Chem., 275:312-321 (2000)				
	C3	Appel et al., "Anergy Induction by Dimeric TCR Ligands," J. Immunol., 166:5279-5285 (2001)				
	C4	Beckett et al., "A minimal peptide substrate in biotin holoenzyme synthetase-catalyzed biotinylation," Protein Sci., 8:921-929 (1999)				
	C5	Crawford et al., "Detection of Antigen-Specific T Cells with Multivalent Soluble Class II MHC Covalent Peptide Complexes," Immunity, 8:675-682 (1998)				
	C6	Eckels et al., "Human Helper T-Cell Clones That Recognize Different Influenza Hemagglutinin Determinants Are Restricted by Different HLA-D Region Epitopes," Immunogenetics, 19:409-423 (1984)				
	C7	Frayser et al., "Empty and Peptide-Loaded Class II Major Histocompatibility Complex Proteins Produced by Expression in Escherichia coli and Folding in Vitro," Protein Expr. Purif., 15:105-114 (1999)				
	C8	Garboczi et al., "HLA-A2-peptide complexes: Refolding and crystallation of molecules expressed in Escherichia coli and complexed with single antigenic peptides," Proc. Natl. Acad. Sci., USA, 89:3429-3433 (1992)				
MD	C9	Gauthier et al., "Expression and crystallization of the complex of HLA-DR2 (DRA, DRB1*1501) and an immunodominant peptide of human myelin basic protein," Proc. Natl. Acad. Sci., USA, 95:11828-11833 (1998)				
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MD	C10	Halder et al., "Isolation of Novel HLA-DR Restricted Potential Tumor-associated Antigens from the Melanoma Cell Line FM3 ¹ ," Cancer Res., 57:3238-3244 (1997)			
	C11	Hammer et al., "Promiscuous and Allele-Specific Anchors in HLA-DR-Binding Peptides," Cell, 74:197-203 (1993)			
	C12	Hausmann et al., "pH-dependent Peptide Binding Properties of the Type I Diabetes-associated I-A ^B Molecule: Rapid Release of CLIP at an Endosomal pH," J. Exp. Med., 189:1723-1733 (1999)			
	C13	Jensen et al., "Long-lived Complexes between Peptide and Class II Major Histocompatibility Complex Are Formed at Low pH with No Requirement for pH Neutralization," J. Exp. Med., 176:793-798 (1992)			
	C14	Kalandadze et al., "Expression of Recombinant HLA-DR2 Molecules," J. Biol. Chem., 271:20156-20162 (1996)			
	C15	Kozono et al., Production of soluble MHC class II proteins with covalently bound single peptides," Nature, 369:151-154 (1994)			
	C16	Krogsgaard et al., "Visualization of Myelin Basic Protein (MBP) T Cell Epitopes in Multiple Sclerosis Lesions using a Monoclonal Antibody Specific for the Human Histocompatibility Leukocyte Antigen (HLA)-DR2-MBP 85-99 Complex," J. Exp. Med. 191(8):1395-1412 (4/2000)			
	C17	Kwok et al., "HLA-DQ Tetramers Identify Epitope-Specific T Cells in Peripheral Blood of Herpes Simplex Virus Type 2-Infected Individuals: Direct Detection of Immunodominant Antigen-Responsive Cells ¹ ," J. Immuno., 164:4244-4249 (2000)			
	C18	Lanzavecchia et al., "Irreversible association of peptides with class II MHC molecules in living cells," Nature, 357:249-252 (1992)			
	C19	Lee et al., "Structure of a human insulin peptide-HLA-DQ8 complex and susceptibility to type I diabetes," Nat. Immunol., 2:501-507 (2001)			
	C20	Malcherek et al., "Supermotifs Enable Natural Invariant Chain-derived Peptides to Interact with Many Major Histocompatibility Complex-Class II Molecules," J. Exp. Med., 181:527-536 (1995)			
	C21	Matsui et al., "Kinetics of T-cell receptor binding to peptide/I-E ^k complexes: Correlation of the dissociation rate with T-cell responsiveness," Proc. Natl. Acad. Sci., USA, 91:12862-12866 (1994).			
	C22	Meyer et al., "Direct enumeration of Borrelia-reactive CD4 T Cells ex vivo by using MHC class II tetramers," Proc. Natl. Acad. Sci., USA, 97:11433-11438 (2000)			
	C23	Murali-Krishna et al., "Counting Antigen-Specific CD8 T Cells: A Reevaluation of Bystander Activation during Viral Infection," Immunity, 8:177-187 (1998)			
MD	C24	Novak et al., "MHC class II tetramers identify peptide-specific human CD4 ⁺ T cells proliferating in response to influenza A antigen," J. Clin. Invest., 104:R63-67 (1999)			
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Form BFO-1449		Docket Number (Optional) DFS-044.01		Application Number 10/617,568	
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		Filing Date July 11, 2003		Group Art Unit 1743 1644	
MD	C25	Riberdy et al., "HLA-DR molecules from an antigen-processing mutant cell line are associated with invariant chain peptides," Nature, 360:474-477 (1992)			
	C26	Rosenberg et al., "Vigorous HIV-1-Specific CD4 ⁺ T Cell Responses Associated with Control of Viremia," Science, 278:1447-1450 (1997)			
	C27	Savage et al., "A Kinetic Basis For T Cell Receptor Repertoire Selection during an Immune Response," Immunity, 10:485-492 (1999)			
	C28	Scott et al., "Role of Chain Pairing for the Production of Functional Soluble IA Major Histocompatibility Complex Class II Molecules," J. Exp. Med., 183:2087-2095 (1996)			
	C29	Stern, L.J. and Wiley, D.C., "The Human Class II MHC Protein HLA-DR1 Assembles as Empty $\alpha\beta$ Heterodimers in the Absence of Antigenic Peptide," Cell, 68:465-477 (1992)			
	C30	Valli et al., "Binding of Myelin Basic Protein Peptides to Human Histocompatibility Leukocyte Antigen Class II Molecules and Their Recognition by T Cells from Multiple Sclerosis Patients," J. Clin. Invest., 91:616-628 (1993)			
	C31	Vonderheide et al., "Equivalent Induction of Telomerase-specific Cytotoxic T Lymphocytes from Tumor-bearing Patients and Healthy Individuals," Cancer Res., 61:8366-8370 (2001)			
	C32	Wucherpennig et al., "Structural Requirements for Binding of an Immunodominant Myelin Basic Protein Peptide to DR2 Isotypes and for Its Recognition by Human T Cell Clones," J. Exp. Med., 179:279-290 (1994)			
	C33	Yu et al., "Binding of conserved islet peptides by human and murine MHC class II molecules associated with susceptibility to type I diabetes," Eur. J. Immunol., 30:2497-2506 (2000)			
MD	C34	Zarutskie et al., "The kinetic basis of peptide exchange catalysis by HLA-DM," PNAS, 98(22):12450-12455 (10/2001)			
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